

Amendments to the Claims

This listing will replace all prior versions and listings of claims in the application:

Listing of the claims

1. (Previously presented) A topical composition comprising:

a hybrid silicone powder matrix having a hybrid silicone powder and a volatile silicone; said hybrid silicone powder having silicone rubber powder particles and a silicone resin chemically bound to the surfaces of said particles; and

a hydrophobic active ingredient that is entrapped in said hybrid silicone powder matrix.

2. (Original) The composition of claim 1, wherein the composition is a time/controlled release composition.

3. (Cancelled)

4. (Cancelled)

5. (Previously presented) The composition of claim 1, wherein said hybrid silicone powder has a crosspolymer selected from the group consisting of silicone, dimethicone, cyclomethicone, vinyl dimethicone, organomodified silicone, organomodified dimethicone, and any combinations thereof.

6. (Previously presented) The composition of claim 1, wherein said hybrid silicone powder has a vinyl dimethicone/methicone silsesquioxane crosspolymer.

7. (Previously presented) The composition of claim 1, wherein said hybrid silicone powder is present in an amount about 0.1 wt% to about 99% of the total weight of the composition.

8. (Previously presented) The composition of claim 1, wherein said hybrid silicone powder is present in an amount from about 5 wt% to about 80% of the total weight of the composition.

9. (Original) The composition of claim 1, wherein said volatile silicone is selected from the group consisting of linear and cyclic silicones having 3 to 8 silicone molecules.

10. (Original) The composition of claim 9, wherein said volatile silicone is a cyclomethicone.

11. (Original) The composition of claim 1, wherein said hydrophobic active ingredient is selected from the group consisting of an insect repellent, sunscreen, retinol, retinoic acid, retinyl palmitate, oil soluble retinol derivative, ascorbyl palmitate, oil soluble ascorbic acid derivative, salicylic acid, derivative of salicylic acid, fragrance, phytol, essential oil, perilla oil, tamarind oil, and any combinations thereof.

12. (Original) The composition of claim 1, wherein said hydrophobic active ingredient is present in an amount about 0.01 wt% to about 90% of the total weight of the composition.

13. (Original) The composition of claim 1, wherein said hydrophobic active ingredient is present in an amount about 0.05 wt% to about 60 wt% of the total weight of the composition.

14. (Original) The composition of claim 1, wherein said hydrophobic active ingredient is present in an amount about 0.05 wt% to about 45 wt% of the total weight of the composition

15. (Original) The composition of claim 1, wherein said hybrid silicone powder matrix is present in an amount about 0.1 wt% to about 99 wt% of the total weight of the composition.

16. (Original) The composition of claim 1, wherein said hybrid silicone powder matrix is present in an amount about 10 wt% to about 50 wt% of the total weight of the composition.

17. (Original) The composition of claim 1, wherein said volatile silicone is present in an amount about 1 wt% to about 99 wt% of the total weight of the composition.

18. (Original) The composition of claim 1, wherein said volatile silicone is present in an amount about 5 wt% to about 80 wt% of the total weight of the composition.

19. (Previously presented) The composition of claim 5, wherein said hydrophobic active ingredient is one or more insect repellent actives selected from the group consisting of oil of citronella, N,N diethyl-m-toluamide, ethyl butylacetylaminopropionate, hydroxy-ethyl isobutyl piperidine carboxylate, dimethyl phthalate, 2-ethyl-1,3 hexanediol, neem oil, soybean oil, lemon grass oil, geranium/geraniol oil, p-methane-3,8-diol, and any combinations thereof.

20. (Original) The composition of claim 1, further comprising a cosmetically acceptable vehicle.

21. (Original) The composition of claim 1, wherein the composition is in a product form selected from the group of an aerosol spray, cream, emulsion, solid, liquid, dispersion, foam, gel, lotion, mousse, ointment, powder, patch, pomade, solution, pump spray, stick, and towelette.

22. (Withdrawn) A method for repelling insects from skin comprising topically applying to skin the composition of claim 1.

23. (Previously presented) An insect repellent composition comprising:

a hybrid silicone powder matrix having a hybrid silicone crosspolymer powder having a hybrid silicone powder and a volatile silicone, said hybrid silicone powder having silicone rubber powder particles and a silicone resin chemically bound to the surfaces of said particles; and

an effective amount of an insect repellent entrapped in said hybrid silicone powder matrix, wherein said insect repellent is one or more actives selected from the group consisting of oil of citronella, N,N diethyl-m-toluamide, ethyl butylacetylaminopropionate, hydroxy-ethyl isobutyl piperidine carboxylate, dimethyl phthalate, 2-ethyl-1,3 hexanediol, neem oil, soybean oil, lemon grass oil, geranium/geraniol oil, p-methane-3,8-diol, and any combinations thereof.

24. (Original) The composition of claim 23, wherein the composition is a time/controlled release composition.

25. (Withdrawn) A method for the production of a topical composition comprising:

mixing a hybrid silicone powder with at least one liquid hydrophobic ingredient for a period of time and at a temperature sufficient to form a gel or slurry; and

adding volatile silicone fluid to said gel or slurry; and thereafter

mixing said gel or slurry for a period of time and at a temperature sufficient to form a hybrid silicone powder matrix, wherein said hydrophobic ingredient and said silicone fluid are entrapped within said powder matrix.

26. (Withdrawn) The method of claim 25, wherein said hybrid silicone powder is a crosspolymer selected from the group consisting of silicone, dimethicone, cyclomethicone, vinyl dimethicone, organomodified silicone, organomodified dimethicone, and any combinations thereof.

27. (Withdrawn) The method of claim 25, wherein said hybrid silicone powder is a vinyl dimethicone/methicone silsesquioxane crosspolymer.

28. (Withdrawn) The method of claim 25, wherein said volatile silicone fluid is selected from the group consisting of linear and cyclic silicones having 3 to 8 silicone molecules.

29. (Withdrawn) The method of claim 25, wherein said hydrophobic active ingredient is selected from the group consisting of an insect repellent, sunscreen, retinol, retinoic acid, retinyl palmitate, oil soluble retinol derivative, ascorbyl palmitate, oil soluble ascorbic acid derivative, salicylic acid, derivative of salicylic acid, fragrance, phytol, essential oil, perilla oil, tamarind oil, and any combinations thereof.

30. (Withdrawn) The method of claim 25, wherein said hydrophobic active ingredient is present in an amount about 0.01 wt% to about 90% of the total weight of the composition.

31. (Withdrawn) The method of claim 25, wherein said hydrophobic active ingredient is present in an amount about 0.05 wt% to about 60 wt% of the total weight of the composition.

32. (Withdrawn) The method of claim 25, wherein said hydrophobic active ingredient is present in an amount about 0.05 wt% to about 45 wt% of the total weight of the composition.

33. (Withdrawn) The method of claim 25, wherein said hybrid silicone powder matrix is present in an amount about 0.1 wt% to about 99 wt% of the total weight of the composition.

34. (Withdrawn) The method of claim 25, wherein said hybrid silicone powder matrix is present in an amount about 10 wt% to about 50 wt% of the total weight of the composition.

35. (Withdrawn) The method of claim 25, wherein said volatile silicone fluid is present in an amount about 5 wt% to about 80 wt% of the total weight of the composition.

36. (Withdrawn) The method of claim 21, wherein said hydrophobic active ingredient is one or more insect repellent actives selected from the group consisting of oil of citronella, N,N diethyl-m-toluamide, ethyl butylacetylaminopropionate, hydroxy-ethyl isobutyl piperidine carboxylate, dimethyl phthalate, 2-ethyl-1,3 hexanediol, neem oil, soybean oil, lemon grass oil, geranium/geraniol oil, p-methane-3,8-diol, and any combinations thereof.

37. (Previously presented) A hybrid silicone powder matrix comprising a hybrid silicone powder and a volatile silicone, said hybrid silicone powder having silicone rubber powder particles and a silicone resin chemically bound to the surfaces of said particles.

38. (Original) The matrix of claim 37, further comprising a cosmetically acceptable vehicle.

39. (Cancelled)

40. (Previously presented) The matrix of claim 37, wherein said hybrid silicone powder has a crosspolymer selected from the group consisting of silicone, dimethicone, cyclomethicone, vinyl dimethicone, organomodified silicone, organomodified dimethicone, and any combinations thereof.

41. (Previously presented) The matrix of claim 37, wherein said hybrid silicone powder has a vinyl dimethicone/methicone silsesquioxane crosspolymer.

42. (Original) The matrix of claim 37, wherein said volatile silicone is selected from the group consisting of linear and cyclic silicones having 3 to 8 silicone molecules.

43. (Original) The matrix of claim 42, wherein said volatile silicone is a cyclomethicone.

44. (Original) The matrix of claim 37, further comprising a hydrophobic active ingredient.

45. (Original) The matrix of claim 44, wherein said hydrophobic active ingredient is entrapped in the matrix.

46. (Previously presented) The matrix of claim 44, wherein said hydrophobic active ingredient is selected from the group consisting of an insect repellent, sunscreen, retinol, retinoic acid, retinyl palmitate, oil soluble retinol derivative, ascorbyl palmitate, oil soluble ascorbic acid derivative, salicylic acid, derivative of salicylic acid, fragrance, phytol, essential oil, perilla oil, tamarind oil, and any combinations thereof.

47. (Original) The matrix of claim 44, wherein said hydrophobic active ingredient is one or more insect repellent actives selected from the group consisting of oil of citronella, N,N diethyl-m-toluamide, ethyl butylacetylaminopropionate, hydroxy-ethyl isobutyl piperidine carboxylate, dimethyl phthalate, 2-ethyl-1,3 hexanediol, neem oil, soybean oil, lemon grass oil, geranium/geraniol oil, p-methane-3,8-diol, and any combinations thereof.

48. (Withdrawn) A method of applying a liquid ingredient to skin in powder form comprising topically applying to skin the composition of claim 1, wherein the hydrophobic active ingredient and the volatile silicone are liquid.

49. (Previously presented) A topical cosmetic composition comprising an effective amount of a hydrophobic active ingredient, an entrapment agent for the active ingredient, and a cosmetically acceptable vehicle, wherein the entrapment agent comprises a matrix of silicone rubber powder particles and silicone resin powder chemically bound to the surfaces of the particles, and wherein the composition is in powder form upon topical application.

50. (Cancelled)